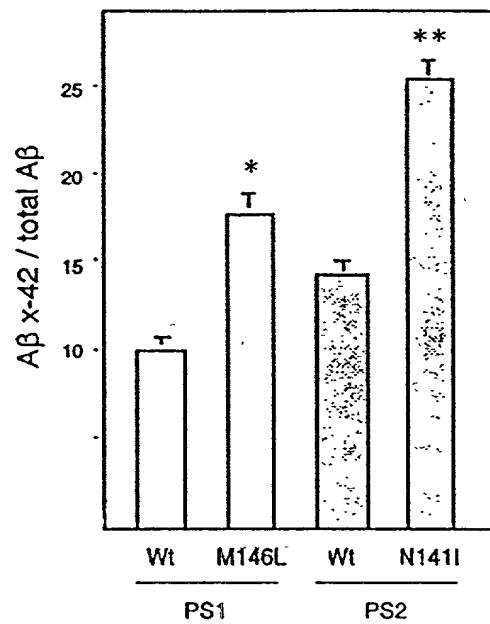


FIG. 1



**FIG. 2**

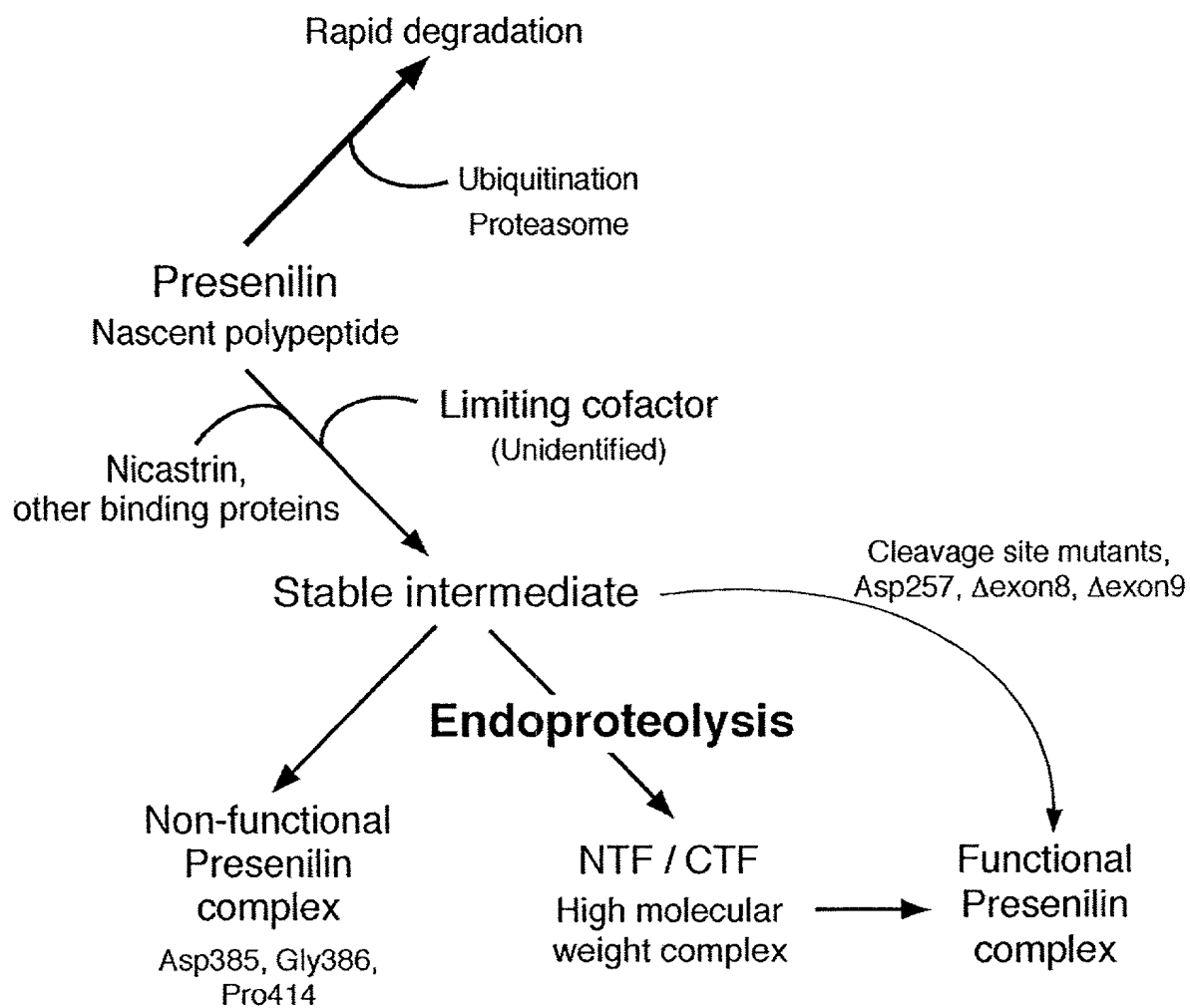


FIG. 3

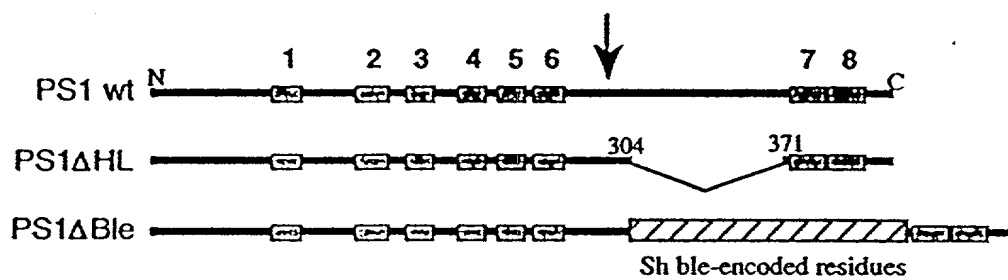


FIG. 4

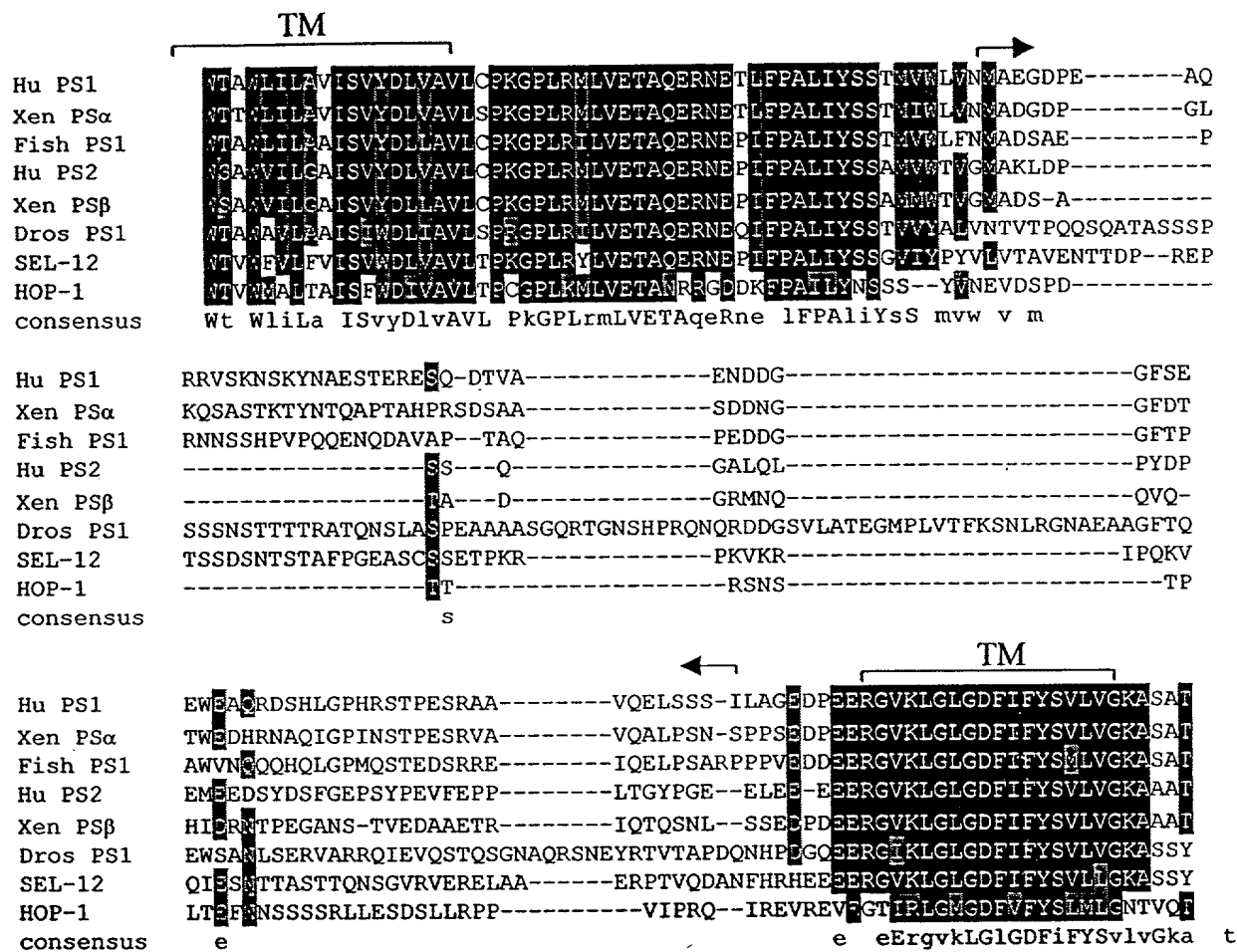


FIG. 5

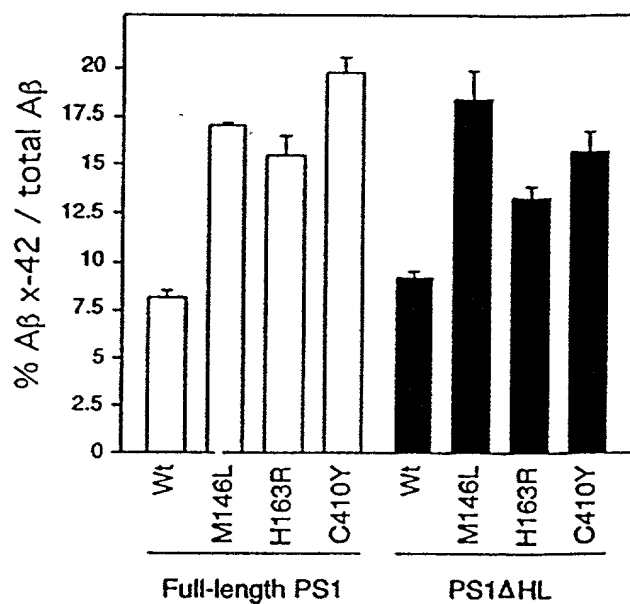
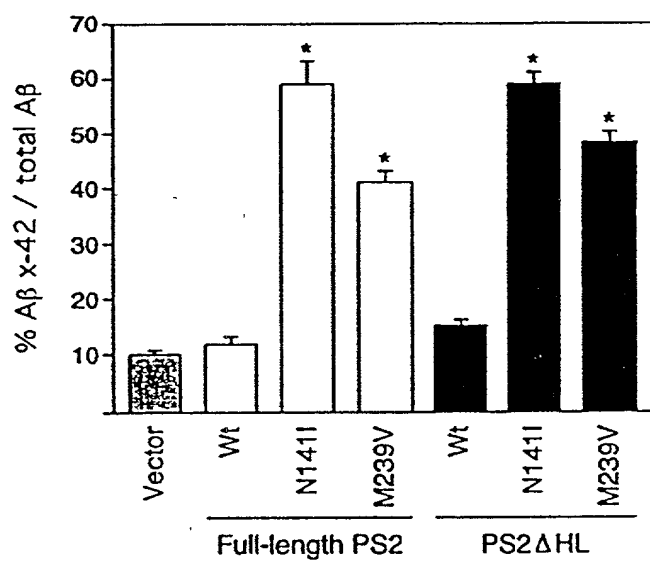
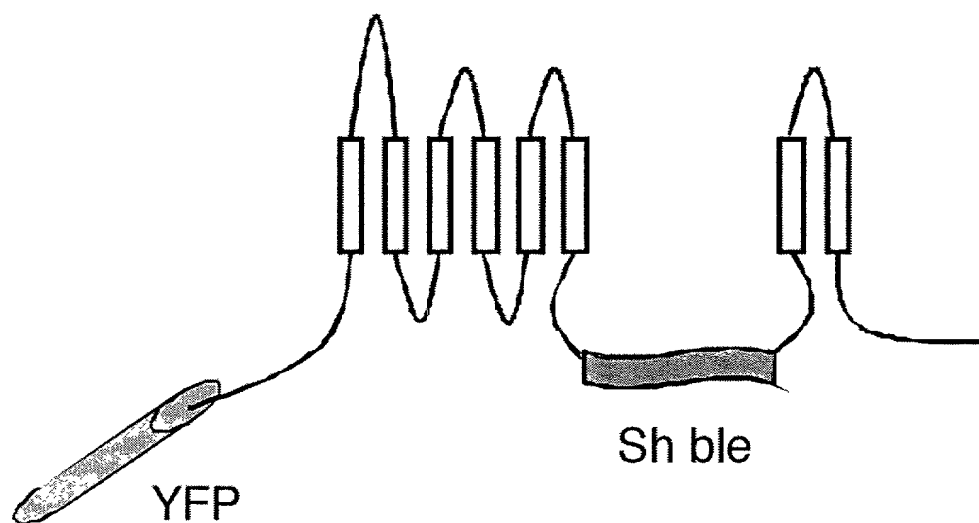


FIG. 6



**FIG. 7**

## PS1 chimera



Sh ble - protect from zeocin-mediated cell death

YFP - visualization

**FIG. 8**



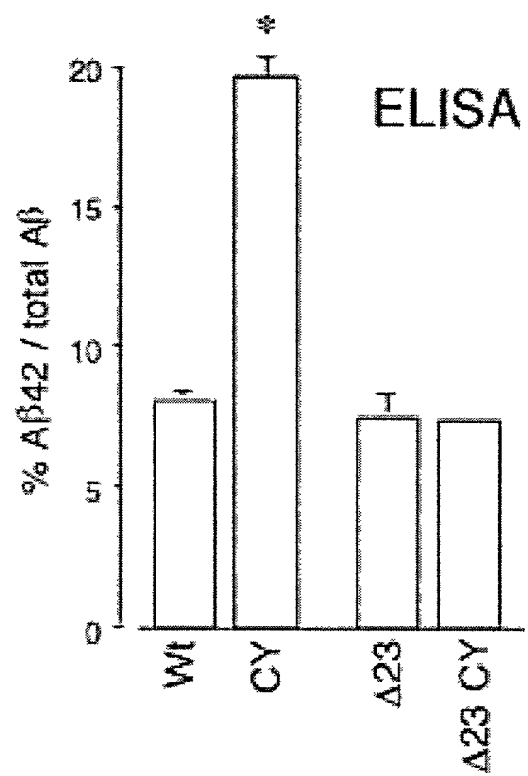
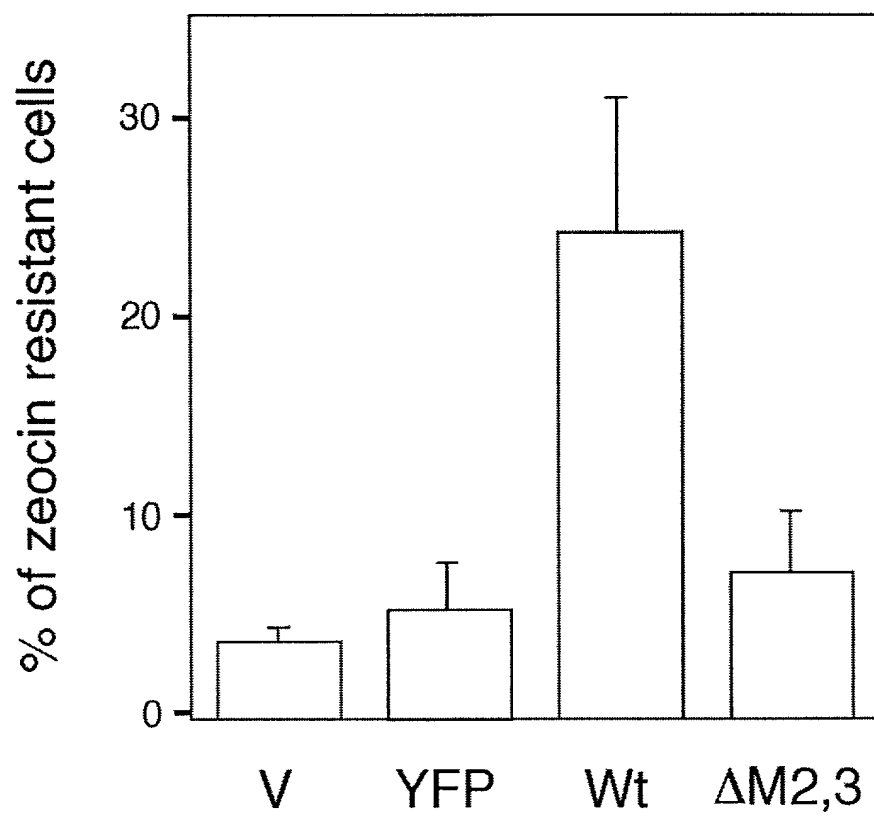


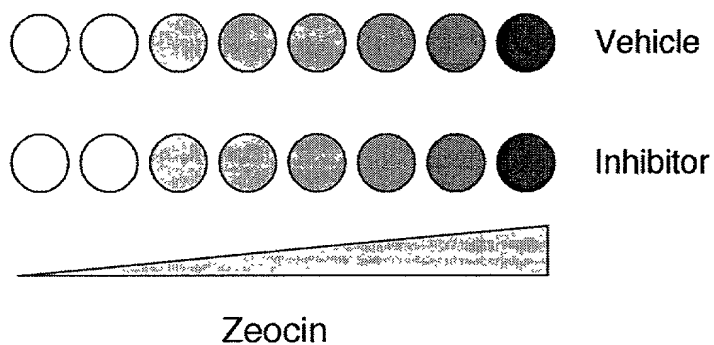
FIG. 9



**FIG. 10**

## Assay

Culture stable N2a cells expressing PS1 chimera in 96 well dish



Perform cell viability assay 2-3 days later

Expectation - inhibitors that affect PS1-Sh ble levels will reduce cell viability

**FIG. 11**

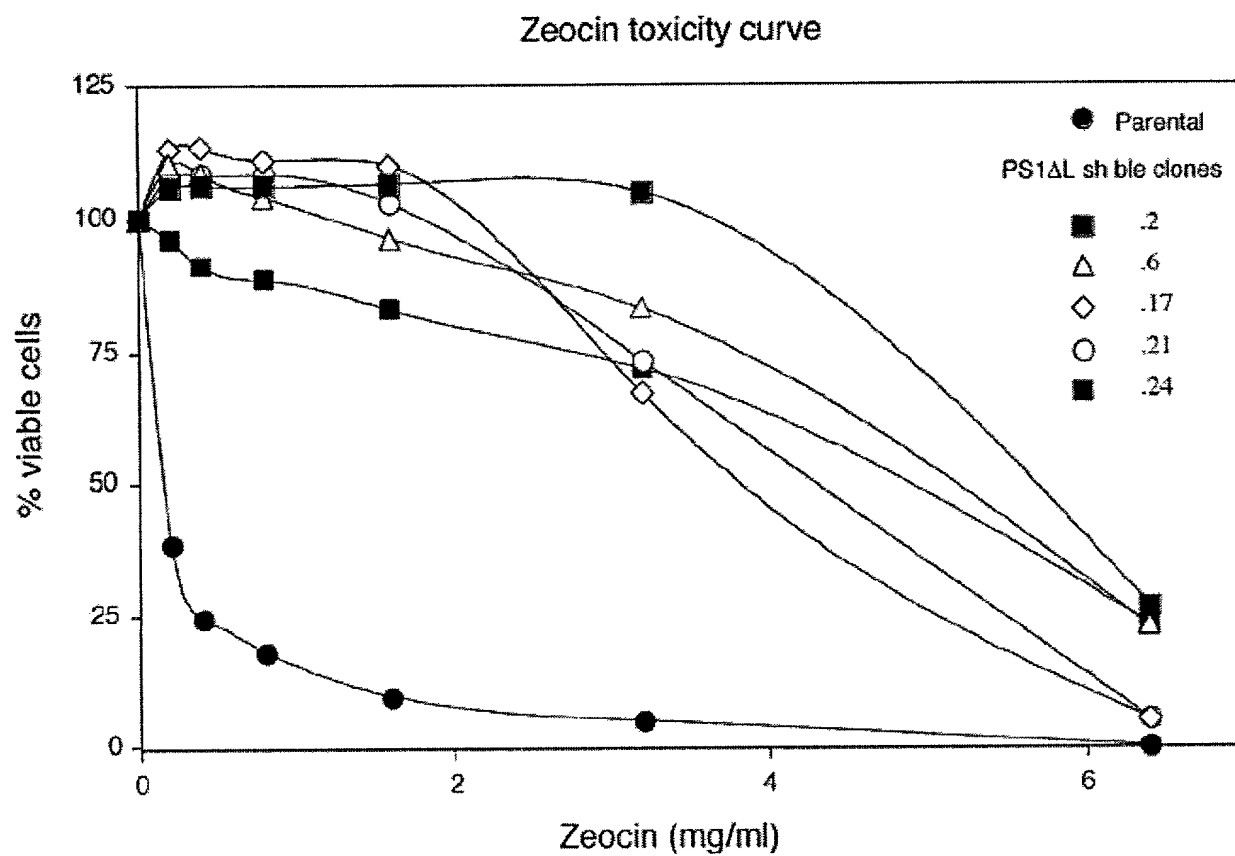


FIG. 12

Treatment with L-685,458  
reduces resistance conferred by PS1 chimera

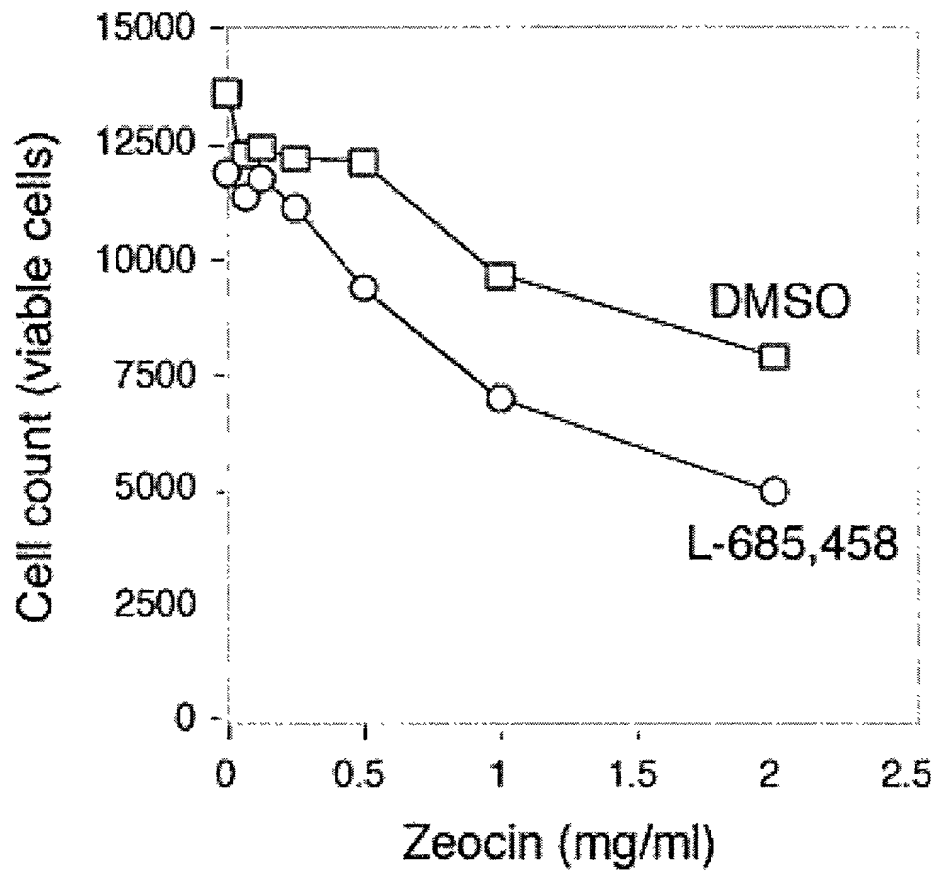


FIG. 13

## Functional cloning strategy

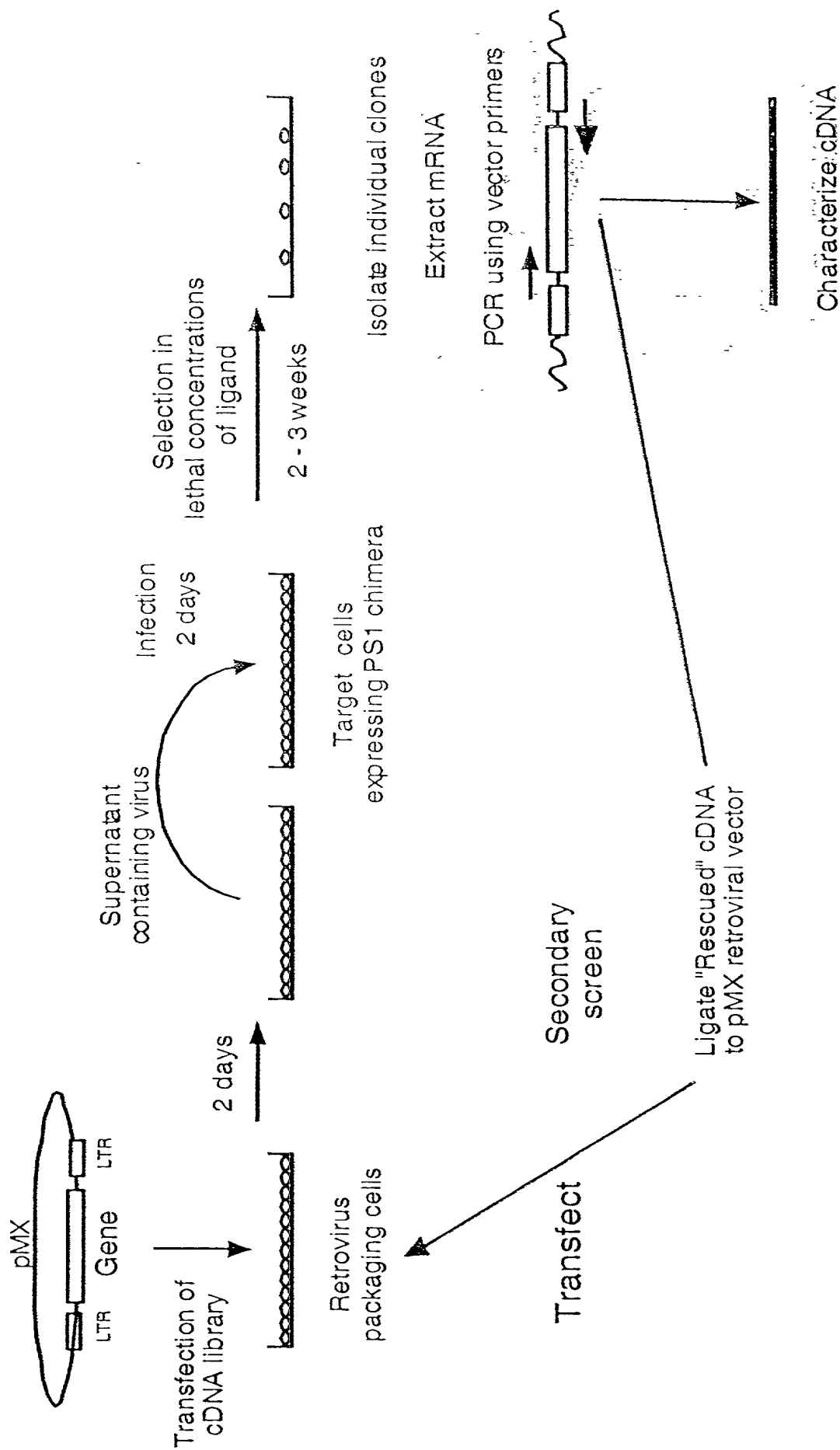


FIG. 14